

Console Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	441.4 / 376.7 / 323.7 / 188.4 / 129.5
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	45/41.0/37.5/25.5/22.00
Dimension (WxDxH)	inch 31.26 x 7.87 x 24.45
	mm 794.0x200.0x621.0
Package (WxDxH)	inch 34.06 x 11.02 x 28.31
	mm 865x280x719
Net/Gross Weight	lbs 32.85/41.89
	kg 14.9/19

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTN110D42UFZ
Refrigerant	R454B
Refrigerant Oil Charge(mL)	350
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1471.5
Outdoor Noise Level (dBA)	55.5
Dimension (WxDxH)	inch 31.69 x 12.99 x 21.81
	mm 805.0x330.0x554.0
Package (WxDxH)	inch 36.02 x 14.57 x 24.21
	mm 915x370x615
Net/Gross Weight	lbs 72.75/78.70
	kg 33/35.7

EFFICIENCY

Cooling	Heating
SEER2 27.2	HSPF2-4 10.9
EER2 15.1	COP 4.43

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	3700~13700
Moisture Removal(L/h)	0.81
Standard Operating Range(°F/°C)	-22~122(-30~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	9000
1. @ 47°F Min/Max Capacity	4400~16100
2. @ 17°F Rated	9800
3. @ 5°F Rated: Capacity / COP	11300/1.84
3. @ 5°F Max: Capacity	11300
Standard Operating Range(°F/°C)	-22~75(-30~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

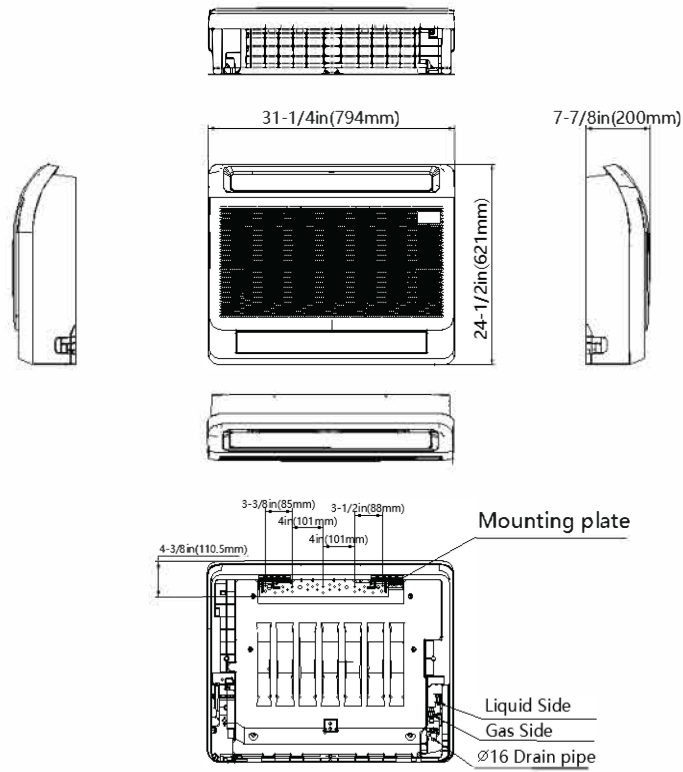
ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	15.00
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	10.4
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	13
System Power Input @ Cooling (W)	592(190 ~ 1150)
System Power Input @ Heating (W)	595(255 ~ 1350)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

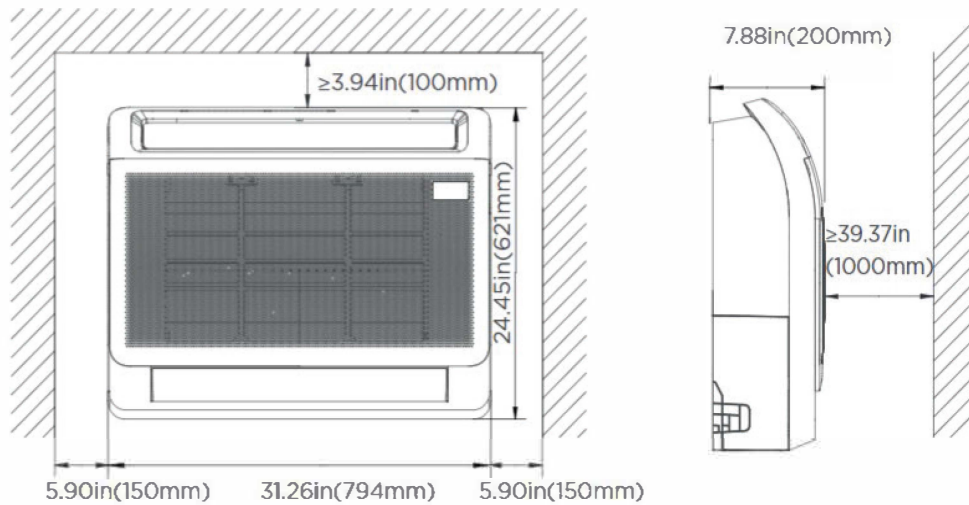
PIPING

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	35.27(1.00)
Additional Charge of Refrigerant(oz/ft)(g/m)	0.16(15)
Connection Method	Flared

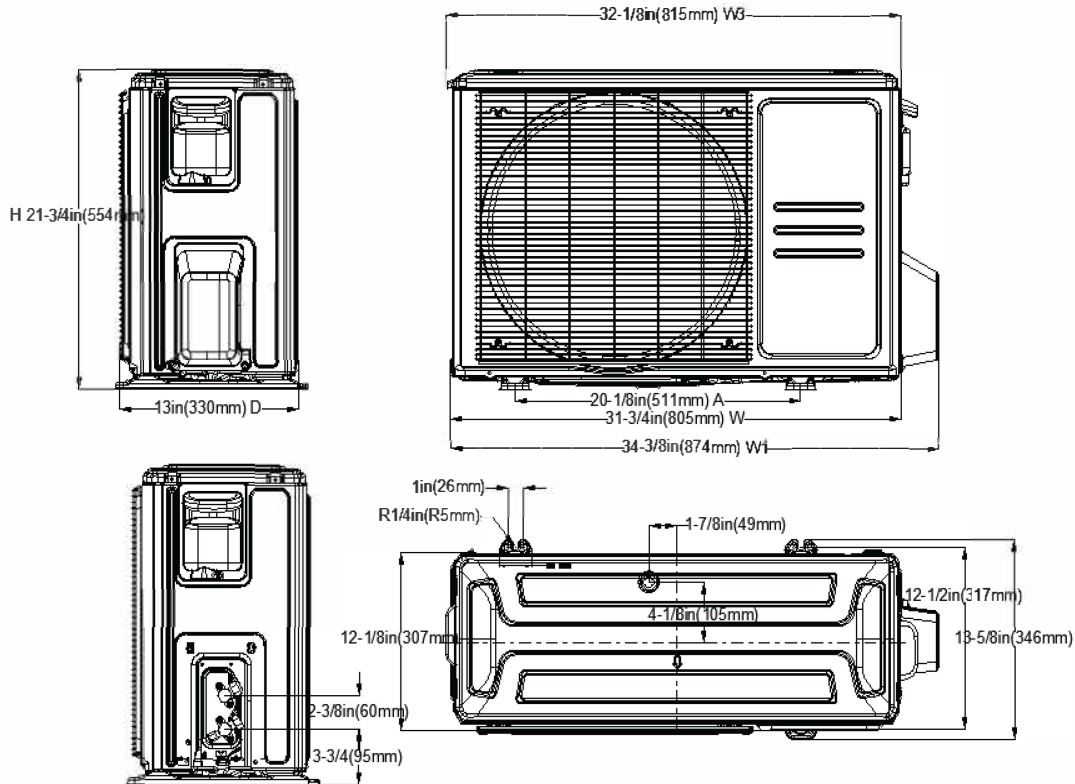
Indoor Unit Dimension



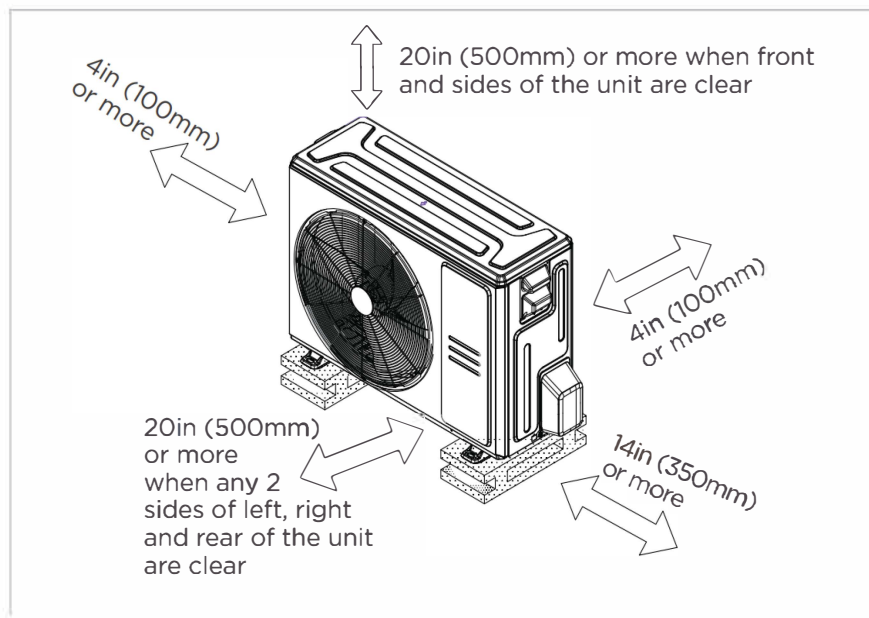
Installation Instruction



Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.

FEATURES

- Compact Design
- Dual Air Outlets
- Refrigerant leakage detection sensor
- Humidity sensor
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- Multiple control options available:
 - Two way communication wired controller:120N(X6)
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Infrared wired controller: 120L
 - Wireless remote controller
 - Third-Party 24V Thermostat*

*24V interface is required.